

VortexSpace Printable (<http://vortexspace.org>)

Universe Height-Width Ratio

The most elegant Universe Height is derived from either 1) a Dual-Cone where the Diameter Equals the Height, or 2) an Octahedron where the height equals the width.

An equivalent way of saying this is that there are two cones. Each cone has height equal to its own radius.

Since there is a negative and positive Circle-Trellis for each of Y, X, and Z axes - each Circle-Trellis has a total vertical height from its axis equal to half its EquatorDiameter. Said differently, the height of a Circle-Trellis in one polarity direction is equal to the radius of its EquatorCircle.

If the space is folded such as in a Conical Torus, then after folding the total height of a Conical Torus is half the EquatorDiameter. This means that each FrustumHeight is a 1/4 of EquatorDiameter.

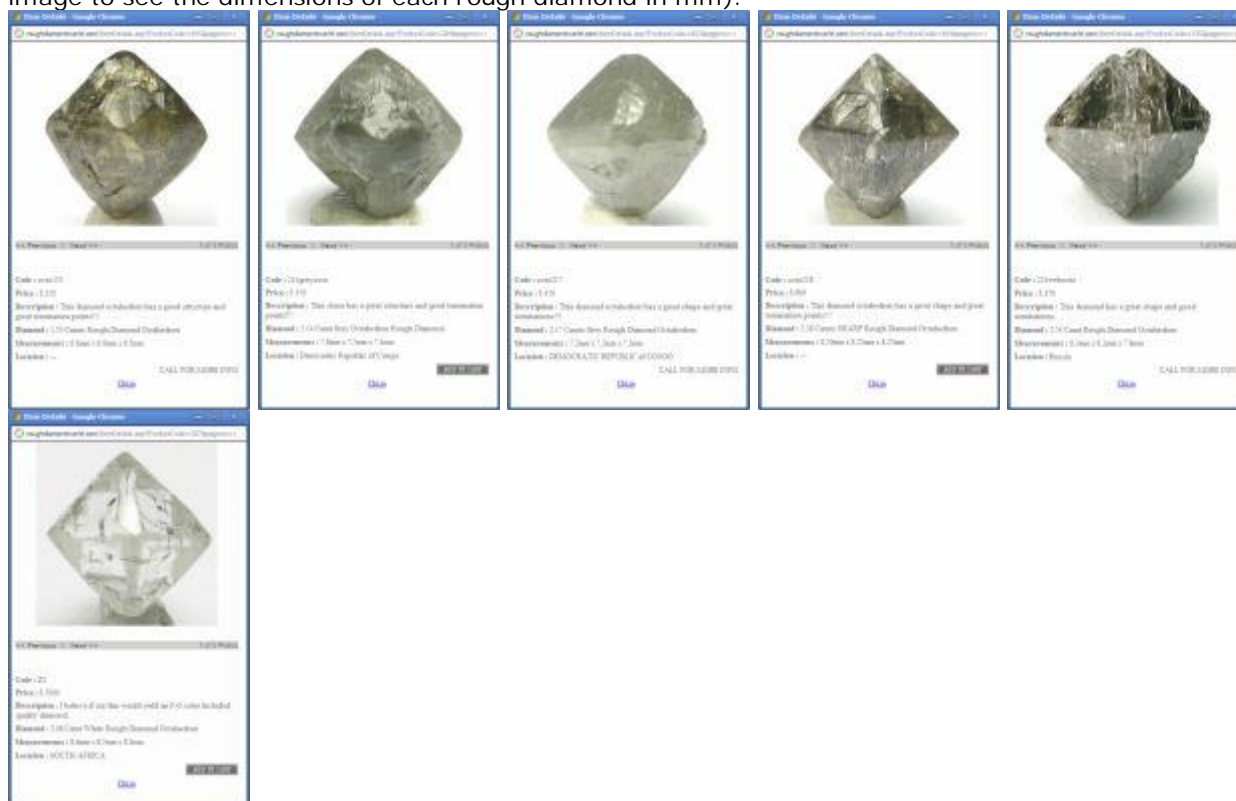
Diamond Octahedral 1:1:1 Proportions

The dimensions of the ideal cone as formed by nature are further verified by studying diamonds as growing in nature.

Contrary to popular perception, diamonds do not grow naturally in the "crown" shape as seen in finished jewelry. Rather, diamonds naturally grow and are found on Earth in the Octahedral shape. Studying the dimensions of the Octahedron that diamonds grow in gives insight into how energy naturally wishes to expand on this planet.

Rough diamonds in nature are found and grow on Earth in the Octahedral shape in the dimensions of 1:1:1 height/width/length of the Octahedron.

Rough diamond purchasing shops show the exact sizes and proportions that diamonds grow in nature. (click image to see the dimensions of each rough diamond in mm).



<http://www.truthaboutdiamonds.com/truth-about/diamond-shapes/>

The shape of a classic piece of diamond rough is called an "octahedron." Imagine two 4-sided pyramids stuck together at their bases. Typically, that piece of rough is sawed into two pieces which are each then made into polished diamonds. Since diamonds jump in price exponentially with increased weight (well, not exactly, but see here for an explanation of diamond pricing), it makes more economic sense to saw that octahedron not down the middle, but just off center. Then the center of that piece of rough becomes the girdle of the larger polished diamond. (see Figure 2). In terms of popularity, Round Brilliant Cuts are by far the most popular shape. After rounds, princess cuts are the most popular.

References

Circle circumference and area formula in terms of Phi - [Closed-Form-Derivation of Pi from Phi](#)

